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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/823,364	04/12/2004	Steven C. Shannon	8756/ETCH/DICP	4844

55649 7590 02/13/2007
MOSER IP LAW GROUP / APPLIED MATERIALS, INC.
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EXAMINER

ANGADI, MAKI A

ART UNIT	PAPER NUMBER
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1765

MAIL DATE	DELIVERY MODE
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02/13/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

Interview Summary

Application No.

10/823,364

Applicant(s)

SHANNON ET AL.

Examiner

Maki A. Angadi

Art Unit

1765

All participants (applicant, applicant's representative, PTO personnel):

(1) Maki A. Angadi.

(3) Alan Taboada.

(2) Binh Tran.

(4) Steven Shannon

Date of Interview: 06 February 2007.

Type: a) ☐ Telephonic b) ☐ Video Conference

c) ☐ Personal [copy given to: 1) ☒ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.

If Yes, brief description: _____.

Claim(s) discussed: 1 and 34.

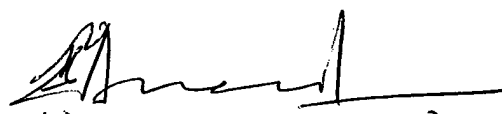
Identification of prior art discussed: Demaray (US Pub.No. 2003/0127319.

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.


(MAKI ANGADI)
Binh Tran

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicants discussed claim 1 and pointed out that according to claim 1, the two frequencies are interacting on the same part of the plasma and this teaching is missing from the applied prior art of Demaray. The prior art is taking advantage of the lack of interaction of frequencies while the applicants' present invention takes advantage of interaction of the plasma. Applicants highlighted that their invention is dependent on the interaction of two frequencies with each other in the plasma. With respect to claim 34, the energy distribution effect as taught by Lieberman speaks to RF plasma interaction characteristics that are not of significance in the frequency range cited in the patent. Particularly skin effect and standing wave effect are not appreciable contributors to plasma non-uniformities in this frequency range. Examiners feel that the applicants' claim 1 is taught by the prior art of Demaray.